IN THE CLAIMS:

1. (Currently Amended) A process for erasing or illustrating a printing style of a wet offset printing form, comprising the steps of;

providing a form which contains on a surface forming the printing style a photocatalytically and thermally modifiable material that can be brought into a hydrophilic state by irradiation with light and into a lipophilic state by heating, said form including an IR absorption component;

erasing or producing a printing style by irradiating said surface with UV radiation; and

feeding water to said surface during the irradiation.

2. (Currently Amended) A process in accordance with claim 1, wherein a humidity of at least 60% ~~and preferably at least 80%~~ is generated at said surface for the UV irradiation, and it is maintained for the duration of the UV irradiation.

3. (Original) A process in accordance with claim 1, wherein a preset temperature is set and maintained for the duration of the UV irradiation.

4. (Currently Amended) A process in accordance with claim 1, wherein ~~said~~ an illustrated surface of said ~~printing~~ form is irradiated over its entire area for erasing.

5. (Currently Amended) A device for repeatedly illustrating a wet offset printing form,



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the device comprising:

a form with a surface that can be or is already illustrated, the form having a photocatalytically and thermally modifiable material, which can be brought photocatalytically into a hydrophilic state by irradiation with light and into a lipophilic state by heating;

an imaging means for producing a printing style by heating said photocatalytically and thermally modifiable material in the pattern of an image;

an erasing means for erasing the printing style produced, wherein said erasing means has one or more radiation sources for daylight and/or UV light; and

a humidifying unit for air conditioning by which a preset humidity can be generated and maintained at said ~~printing~~ form to be lower in said lipophilic state and higher in said hydrophilic state.

6. (Original) A device in accordance with claim 5, wherein said humidifying unit includes an encapsulation for said wet offset printing form and a plurality of cylinders of a printing unit so as to generate and maintain a preset humidity within said encapsulation.

7. (Original) A device in accordance with claim 6, wherein said humidifying unit comprises at least one humidity sensor arranged within said encapsulation and a regulator, to which the humidity value detected by the humidity sensor is sent as a controlled variable.

8. (Original) A device in accordance with claim 5, wherein said erasing means has one



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or more radiation sources for the full-area irradiation of said surface.

9. (Currently Amended) A device in accordance with claim 5, wherein the radiation source or radiation sources of said erasing means emits/emit a large percentage of radiation of a wavelength of at most 387 nm, wherein a wavelength spectrum emitted by the radiation source has a peak ~~preferably~~ at a wavelength of 387 nm.

10. (Original) A device in accordance with claim 5, wherein said printing form is arranged detachably and nondetachably on a printing form cylinder in a wet offset web-fed rotary printing press and said erasing means is directed toward said printing form cylinder and preferably extends over a length of said printing form measured in parallel to an axis of rotation of said printing form cylinder over such an extent that a full-area, uniform irradiation of said printing form can be carried out.

11. (Original) A device in accordance with claim 5, wherein said imaging means comprises a plurality of radiation sources for the irradiation of said printing form in the pattern of an image.

12. (Currently Amended) A device in accordance with claim 5, wherein ~~the radiation sources of~~ said imaging means are includes a radiation source with one of IR lasers and NIR lasers.



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13. (Currently Amended) A device in accordance with claim 5, wherein said printing form is arranged detachably or nondetachably on a printing form cylinder in a wet offset printing press and ~~the radiation sources of~~ said imaging means are includes a radiation source directed toward said printing form cylinder and are arranged next to one another in parallel to an axis of rotation of said printing form cylinder.

14. (New) A device in accordance with claim 5, wherein:

said printing form includes an IR absorption component.

15. (New) A device in accordance with claim 14, wherein:

said IR absorption component is mixed with said modifiable material.

16. (New) A device in accordance with claim 14, wherein:

said IR absorption component and said modifiable material are separate layers in said printing form.

17. (New) A process in accordance with claim 1, wherein:

said IR absorption component is mixed with said modifiable material.

18. (New) A process in accordance with claim 1, wherein:

said IR absorption component and said modifiable material are separate layers in said



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printing form.

19. (New) A wet offset printing arrangement comprising:

a printing form having a photocatalytically and thermally modifiable material which is photocatalytically changed into a more hydrophilic state by irradiation with light, and into a lipophilic and a less hydrophilic state by heating, said printing form includes an IR absorption component;

an imaging device heating said photocatalytically and thermally modifiable material in a pattern of an image;

a UV radiation source substantially uniformly exposing said photocatalytically and thermally modifiable material.

20. (New) An arrangement in accordance with claim 19, wherein:

said printing form includes a carrier layer and an insulating layer, said insulating layer being arranged between said carrier layer, and one of said IR absorption component and said modifiable material;

said IR absorption component is one of mixed with said modifiable material, or in a separate layer from said modifiable material.



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